

The BULLETIN OF THE BEAUX-ARTS INSTITUTE OF DESIGN

CORRESPONDING MEMBER SCHOOLS

SCHOOL YEAR 1949-1950

v. 26 # 3

CATHOLIC UNIVERSITY OF AMERICA
CLEMSON AGRICULTURAL COLLEGE
DELEHANTY INSTITUTE, NEW YORK
GEORGIA INSTITUTE OF TECHNOLOGY
ILLINOIS INSTITUTE OF TECHNOLOGY
INSTITUTE OF DESIGN AND CONSTRUCTION
KANSAS STATE COLLEGE OF AGRICULTURE AND
APPLIED SCIENCE
NORTH CAROLINA STATE COLLEGE
OHIO STATE UNIVERSITY
OKLAHOMA AGRICULTURAL AND MECHANICAL COLLEGE
PENNSYLVANIA STATE COLLEGE
PRINCETON UNIVERSITY
RICE INSTITUTE
SYRACUSE UNIVERSITY
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UNIVERSITY OF ILLINOIS, URBANA
UNIVERSITY OF ILLINOIS, NAVY PIER, CHICAGO
UNIVERSITY OF KENTUCKY
UNIVERSITY OF NEBRASKA
UNIVERSITY OF NEW MEXICO
UNIVERSITY OF NOTRE DAME
UNIVERSITY OF VIRGINIA
WASHINGTON UNIVERSITY, ST. LOUIS
WESTERN RESERVE UNIVERSITY, CLEVELAND
UNIVERSITY OF HAVANA, CUBA

DEPARTMENT OF ARCHITECTURE

AMERICAN INSTITUTE OF ARCHITECTS
AMERICAN INSTITUTE OF DECORATORS
AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS
SOCIETY OF MURAL PAINTERS
SOCIETE DES ARCHITECTES DIPLOMES P.G.F.
NATIONAL SCULPTURE SOCIETY

SOCIETIES COOPERATING

THE BULLETIN OF THE
BEAUX-ARTS INSTITUTE OF DESIGN
APRIL 1950 VOL. XXVI NUMBER THREE SCHOOL YEAR 1949-1950

CONTENTS

ARCHITECTURE

1950 LLOYD WARREN SCHOLARSHIP
(37TH PARIS PRIZE IN ARCHITECTURE)

FEBRUARY 1, 1950	A MEMORIAL AT ALAMOGORDO FIRST PRELIMINARY	(PAGE 32)
FEBRUARY 29, 1950	AN OIL TOWN SECOND PRELIMINARY	(PAGE 34)
APRIL 5, 1950	A BANK BUILDING FINAL COMPETITION	(PAGE 36)

PAGES IN THIS ISSUE #32 - 37

REPRODUCTIONS OF DESIGNS IN THIS ISSUE #1 L.W. - #10 L.W.

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THE BULLETIN IS ISSUED BY THE BEAUX-ARTS INSTITUTE OF DESIGN, 115 EAST 40TH STREET, NEW YORK 16, N.Y. THE SUBSCRIPTION RATE TO THE BULLETIN WITHOUT REPRODUCTIONS IS \$2.00 FOR THE SCHOOL YEAR AND WITH REPRODUCTIONS \$25.00 FOR THE SCHOOL YEAR. SUBSCRIPTIONS FOR THE BULLETIN WITH REPRODUCTIONS MUST BE ENTERED BEFORE THE FIRST JUDGMENT OF THE SCHOOL YEAR, AFTER THAT DATE SUBSCRIBERS MUST PAY IN ADDITION, 30 CENTS FOR EACH REPRODUCTION THAT HAS BEEN ISSUED PRIOR TO PLACING SUBSCRIPTIONS, SINGLE REPRODUCTIONS MAY BE PURCHASED DURING THE CURRENT SCHOOL YEAR AT 30 CENTS EACH; REPORTS OF PROBLEMS AT 15 CENTS EACH. FOREIGN POSTAGE TO OTHER CONTINENTS \$1.00.

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1950 LLOYD WARREN SCHOLARSHIP

(37th Paris Prize in Architecture)

BEAUX-ARTS INSTITUTE OF DESIGN
SCHOOL YEAR 1949-1950

COMMITTEE ON SCHOLARSHIPS
VOLUME XXVI PAGE 32

East 40th Street
New York 16, N. Y.

1950 - THE LLOYD WARREN SCHOLARSHIP - 1950
(37TH PARIS PRIZE IN ARCHITECTURE)

FIRST PRIZE COMPETITION

"A MEMORIAL AT ALAMOGORDO"

AUTHOR - L. BANCEL LAFARGE, NEW YORK



Exercise, 24 hours—Jan. 21, 1950, 9 A.M.
to Jan. 22, 1950, 9 A.M.

Judgment—on or about Jan. 31, 1950

JURY OF AWARD Under the trusteeship of the BEAUX-ARTS INSTITUTE OF DESIGN

L. BANCEL LAFARGE, CHAIRMAN
PHILIP G. BARTLETT
WALKER O. GAIN
GORDON BUNSHAFT

GIORGIO CAVAGLIERI
ALONZO W. CLARK, III
MICHAEL M. HARRIS

ALFRED EASTON POOR
BENJAMIN LANE SMITH
ROBERT D. STOTT

"A MEMORIAL AT ALAMOGORDO"

A distinguished scientist has declared that, since the invention of the wheel and the boat, or, before these, the historic discovery of fire, no single evidence of man's ingenuity can compare in significance with the invention of the airplane and the discovery of the release of atomic energy.

It is, therefore, fitting in our time to memorialize the epoch-making instant of mankind's violent transition into a new era—the Atomic Age. That triumph of nuclear science, the first man-made atomic explosion, was fulfilled exactly 5:30 A.M. on July 16, 1945, before the eyes of a dense group of renowned scientists and military men gathered in the desertlands of New Mexico in a remote region of the Alamogordo Air Base.

Mounted on a steel tower, a revolutionary device was set off with an impact begging description. A blinding light, brighter than the brightest daylight, illuminated the entire country with a searing light many times the intensity of the midday sun. Every peak, crevasse and ridge of the nearby mountain range glowed—golden, purple, red, gray and blue—beautiful beyond the dreams of the most imaginative. A sustained and deafening roar filled space, followed by a staggering pressure wave; a giant multicolored surging cloud boiled to an altitude of over 40,000 feet; clouds in its path evaporated, before long the shifting stratosphere winds slowly dispersed the graying mass. The steel tower had vanished, completely vaporized: in its place—a huge sloping crater. The test was over, the project an awesome success.

Robert Oppenheimer, so largely responsible for

unlocking these stupendous forces of Nature, has said: "In some crude sense... which no vulgarity, no humor, no overstatement can extinguish, the physicists have known sin; and this is a knowledge which they cannot lose." He asserts "that atomic energy must be regarded in an affirmative rather than a negative light, as a force to be used constructively rather than one simply to be feared and enchained."*

The subject of this program shall commemorate the historic event described. The White Sands National Park would be extended northwards to an existing east-west highway, in order to include the actual crater, which lies in a level desert between two mountain ranges to the east and west. A roadway, running directly southward from the highway mentioned above would bring tourist traffic to the site of the proposed Memorial, which is to be located at the crater, with suitable turn around and parking facilities.

Since the competition is primarily intended as a challenge to the imagination, calling forth the most original and appropriate design ideas, the competitors are free to choose such form and type as they may be inspired to, without any restrictions as to function or materials. The result must be seen equally effectively from the air or ground in any direction. No dimension shall exceed 1,000 feet.

REQUIRED: (Sheet size 31" x 40")

An oblique bird's-eye perspective, at as large a scale as possible.

An elevation and plan at the scale of 1/32" to the foot.

*Life, Oct. 10, 1949, Article by Lincoln Barrett: Close-up, J. Robert Oppenheimer.

LLOYD WARREN SCHOLARSHIP COMMITTEE

Beaux-Arts Institute of Design

DECLARATION

I am a citizen of the United States of America, not married, and will be under 30 years of age on July 1, 1950.

I am qualified to enter this competition on the following basis: (Check which.)

(a) Scheduled to obtain degree in Architecture in June, 1950.

(b) Have obtained degree in Architecture.

(c) Have equivalent qualifications in practical experience.

I shall be prepared to submit legal evidence of the above immediately upon being notified of my selection for the second exercise.

Furthermore, I declare that this submission is entirely my own personal work and has been studied and executed by me without help or assistance of any kind whatsoever.

Signature

"A MEMORIAL AT ALAMOGORDO"

Under the trusteeship of the BEAUX-ARTS INSTITUTE OF DESIGN



Judgment—on or about Jan. 31, 1950
to Jan. 22, 1950, 9 A.M.
Exercise, 24 hours—Jan. 21, 1950, 9 A.M.

East 40th Street
New York 16, N. Y.

1950 - THE LLOYD WARREN SCHOLARSHIP - 1950
(37TH PARIS PRIZE IN ARCHITECTURE)

FIRST PRELIMINARY COMPETITION

"A MEMORIAL AT ALAMOGORDO"

AUTHOR - L. BANCEL LAFARGE, NEW YORK

JURY OF AWARD - FEBRUARY 1, 1950

L. BANCEL LAFARGE, CHAIRMAN
PHILIP G. BARTLETT
WALKER O. CAIN
GORDON BUNSHAFT

GIORGIO CAVAGLIERI
ALONZO W. CLARK, III
ALFRED GEIFFERT, JR.
MICHAEL M. HARRIS

ALFRED EASTON POOR
BENJAMIN LANE SMITH
ROBERT D. STOTT

PARTICIPANTS:

CATHOLIC UNIVERSITY OF AMERICA	UNIVERSITY OF ILLINOIS, URBANA
CLEMSON AGRIC. COLLEGE, SO. CAR.	UNIVERSITY OF NEBRASKA
GEORGIA INSTITUTE OF TECHNOLOGY	UNIVERSITY OF PENNSYLVANIA
NORTH CAROLINA STATE COLLEGE	VIRGINIA POLYTECHNIC INSTITUTE
PENNSYLVANIA STATE COLLEGE	WESTERN RESERVE UNIVERSITY, CLEVELAND
PRINCETON UNIVERSITY	UNAFFILIATED: MOSCOW, IDAHO

REPORT OF THE JURY - BY L. BANCEL LAFARGE

THE VARIETY OF SOLUTIONS FOR THIS COMPETITION IN NO WAY CONDONES THE GENERALLY POOR SUBMISSIONS. WHETHER IT MAY BE ADMITTED THAT A 24-HOUR SKETCH COULD SCARCELY CALL FOR THE INSPIRED SOLUTION, THE JURY WERE DISAPPOINTED IN THE BARRENNESS OF IDEAS IN EVIDENCE. TRUE, THE PROGRAM WAS INDEFINITE ON ONE POINT: THE DIAMETER AND DEPTH OF THE CRATER. BUT THE JURY TOOK INTO ACCOUNT THE COMPETITOR'S OWN PREMISE AS TO THE SIZE AND SHAPE OF THE CRATER, AND JUDGED THE SOLUTION ON THE MERITS OF HIS ASSUMPTION.

BROADLY SPEAKING THE SOLUTIONS FELL INTO FIVE CATEGORIES: FIRST, THE PYLON TYPE, OF WHICH WHICH THE DESIGN BY E. H. HEALEY OF THE UNIVERSITY OF ILLINOIS WAS THE MORE SUCCESSFUL. ARRIVING CARS WOULD BE RECEIVED IN A LARGE TURN-AROUND ALMOST TANGENT TO THE CRATER. TWO EXTENSIVE ROOFED CANOPIES WOULD WELCOME PASSENGERS ALIGHTING, AND WOULD LEAD THEM, SHELTERED FROM THE SUN, TO VIEW THE CRATER AND TO A LOUNGE AND REST ROOMS. THIS SOLUTION RECOGNIZES THE PROBLEM OF VISIBILITY FROM AFAR, OF SUN PROTECTION, OF DRAMATIZING THE CRATER, AND OF THE COMFORT OF THE VISITOR. IN THE SAME GROUP MAY BE MENTIONED THE DESIGN OF W. J. MURTAGH (UNIVERSITY OF PENNSYLVANIA), WITH AN IMPRESSIVE TOWER, AND A CYCLORAMA RAMP, WITH THE ILLUSTRATED STORY OF THE DEVELOPMENT OF ATOMIC SOURCES.

A SECOND TYPE SOUGHT TO SYMBOLIZE THE STEEL STRUCTURE FROM WHICH THE ORIGINAL "REVOLUTIONARY DEVICE" WAS SUSPENDED. IN THE DRAWINGS OF W.R. EVANS (PRINCETON UNIVERSITY) AND OF J. LEVIN (UNIVERSITY OF ILLINOIS) AN INTERESTING CRADLE DESIGN AROSE, WHEREAS A LONG (AND UNFORTUNATELY GLARING) TERRACE LED THE SPECTATOR TO THE BRINK OF THE CRATER. IN THE LATTER SOLUTION, AN IMPROBABLE REFLECTING POOL WAS DEVISED IN THE CENTER OF AN ARID DESERT! THE

SOLUTION OF C. H. BONEY (NORTH CAROLINA STATE COLLEGE) CONCEIVED A GIANT WICKET, SUSTAINING A SMALL SPHERE WITH RAMPS, REST ROOMS, RESTAURANT AND LOUNGE CATERED TO THE VISITOR'S NEEDS.

THE THIRD TYPE, SUBMITTED BY J.G.MARTIN (UNIVERSITY OF PENNSYLVANIA) SHOWED A COVERED LECTURE AUDITORIUM ON PIERS RISING FROM THE CRATER AND OPEN AT THE SIDES: SUFFOCATINGLY HOT IN APPEARANCE.

A FOURTH SOLUTION BEGAN TO ACHIEVE A SUGGESTIVE ABSTRACT QUALITY, THAT OF J. E. BIGGS (GEORGIA INSTITUTE OF TECHNOLOGY) WITH SIX SUPERIMPOSED BRASS RINGS SUPPORTED ON THREE SLENDER VERTICAL LEGS. ONE CAN IMAGINE THE STUDENT'S IDEA OF A SERIES OF RISING SMOKE RINGS, OR POSSIBLY AN EXPRESSION OF SIX EPOCHS OF MAN'S INGENUITY IN HIS RISE FROM PRIMITIVE STATE.

MR. D.M.SIMMONS' DRAWING (PRINCETON UNIVERSITY) STRUCK THE JURY AS THE ONE EVIDENCE OF IMAGINATION. THIS IS ALL THE MORE SURPRISING IN THAT THIS STUDENT IS REPORTED AS BEING PRIMARILY INTERESTED IN STRUCTURAL ENGINEERING. FOR A VERY HIGH ORDER OF ENGINEERING IMAGINATION INSPIRED THE SUSPENSION OF A GLOBE (SHINY BRIGHT RED IN DAYTIME AND ILLUMINATED AT NIGHT) ON A SERIES OF RADIATING STEEL CABLES, STRETCHED IN TENSION OVER CONCRETE STAKES, AND ANCHORED INTO THE SOIL. HERE IS AN EXCITING APPLICATION OF MODERN STRUCTURAL DESIGN TO EXPRESS MAN'S INVENTIVE GENIUS.

SUMMARY OF AWARDS:

20 SELECTED

76 TOTAL SUBMITTED

SELECTED FOR THE SECOND PRELIMINARY COMPETITION:

D. B. ATKINS, GEORGIA INSTITUTE OF TECHNOLOGY
J. E. BIGGS, GEORGIA INSTITUTE OF TECHNOLOGY
C. H. BONEY, NORTH CAROLINA STATE COLLEGE
D. H. JURNEY, NORTH CAROLINA STATE COLLEGE
R. ARONSON, PENNSYLVANIA STATE COLLEGE
P. T. ASTORE, PENNSYLVANIA STATE COLLEGE
C. R. KOHLER, PENNSYLVANIA STATE COLLEGE
J. J. MOONEY, PENNSYLVANIA STATE COLLEGE
W. R. EVANS, PRINCETON UNIVERSITY
M. G. MAYO, PRINCETON UNIVERSITY
H. B. ROBERTS, PRINCETON UNIVERSITY
D. M. SIMMONS, PRINCETON UNIVERSITY
E. H. HEALEY, UNIVERSITY OF ILLINOIS
J. LEVIN, UNIVERSITY OF ILLINOIS
W. MANNABERG, UNIVERSITY OF ILLINOIS
W. J. SCHEIDEMANTEL, UNIVERSITY OF ILLINOIS
H. KALE, UNIVERSITY OF PENNSYLVANIA
J.G. MARTIN, UNIVERSITY OF PENNSYLVANIA
W. J. MURTAGH, UNIVERSITY OF PENNSYLVANIA
H. JAMGOCHIAN, VIRGINIA POLYTECHNIC INSTITUTE

BEAUX-ARTS INSTITUTE OF DESIGN

COMMITTEE ON SCHOLARSHIPS

115 EAST 40TH STREET
NEW YORK 16, NEW YORK

EXERCISE - FEBRUARY 18, 1950, 9 A.M.
(48 HOURS) - FEBRUARY 20, 1950, 9 A.M.
JUDGMENT - FEBRUARY 28, 1950

1950 LLOYD WARREN SCHOLARSHIP
(37TH PARIS PRIZE IN ARCHITECTURE)

UNDER THE AUSPICES OF THE BEAUX-ARTS INSTITUTE OF DESIGN
(PROGRAM 3 PAGES AND DIAGRAM)

SECOND PRELIMINARY EXERCISE - AN OIL TOWN
AUTHOR - GORDON BUNSHAFT, NEW YORK, N.Y.

MR. BUNSHAFT RECEIVED HIS BACHELOR AND MASTER DEGREES IN ARCHITECTURE AT THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY IN 1935, AT WHICH TIME HE WON THE ROTCH TRAVELING FELLOWSHIP, SPENDING TWO YEARS TRAVELING IN EUROPE AND NORTH AFRICA. ON HIS RETURN IN 1937 HE JOINED THE FIRM OF SKIDMORE, OWINGS AND MERRILL. IN 1942 HE ENTERED THE U.S. ARMY, CONSTRUCTION DIVISION OF THE CHIEF OF ENGINEERS OFFICE, EUROPEAN THEATRE. HE LEFT THE ARMY AS A MAJOR IN 1945 AND RETURNED TO THE FIRM OF SKIDMORE, OWINGS AND MERRILL, BECOMING A PARTNER IN CHARGE OF DESIGN IN THE NEW YORK OFFICE.

PROGRAM

ONE OF THE IMPORTANT AMERICAN OIL COMPANIES HAS DECIDED TO BUILD A 50,000 BARREL A DAY REFINERY, TANK FARM (OIL STORAGE TANKS) AND A TANKER FILLING TERMINAL ON THE WESTERN SHORE OF THE PERSIAN GULF. THIS REFINERY WILL BE CONNECTED TO THE OIL WELLS OF THE COMPANY, WHICH ARE 150 MILES INLAND BY A 24 INCH OIL PIPELINE. THE SITE SELECTED IS ALONG AN ISOLATED SECTION OF THE GULF SHORE, BEING ABOUT 250 MILES FROM THE NEAREST CITY. THE ONLY MEANS OF APPROACH TO THE SITE ARE BY A ROAD FROM THE WEST, BY AN AIRFIELD TO BE LOCATED NEAR THE SITE AND BY BOAT, THE SITE HAVING PRIMARILY BEEN SELECTED FOR ITS EXCELLENT NATURAL HARBOR.

ADJACENT TO THE REFINERY THE COMPANY PROPOSES TO BUILD A COMPLETE COMMUNITY FOR AN EXPECTED 2,500 EMPLOYEES AND THEIR FAMILIES. IN ACCORDANCE WITH LAWS OF THE COUNTRY APPROXIMATELY 80% OF THE EMPLOYEES WILL BE NATIONALS. THIS GROUP WILL BE COMPRISED OF WORKERS AND JUNIOR STAFF EMPLOYEES. THE REMAINING 20% WILL CONSIST OF EXPATRIATES (AMERICANS).

THE PROBLEM IS SO TO LAY OUT THE HOUSING AREAS WITH THEIR CORRELATED ACTIVITIES THAT THE FUNCTIONS OF THE REFINERY AND RESIDENTIAL COMMUNITY WILL BE SERVED SIMPLY, DIRECTLY AND ECONOMICALLY; AT THE SAME TIME CREATING A SATISFYING PATTERN FOR THE DEVELOPMENT OF A LIVABLE COMMUNITY. IT IS RECOGNIZED THAT THE CHARACTER OF THIS ISOLATED COMMUNITY WILL HAVE AN IMPORTANT BEARING UPON THE MORALE OF THE EMPLOYEES.

PAGE TWO

THE SITE, COMPRISING 6,000 ACRES, HAS AN IRREGULAR SHORE LINE OF CLIFFS ABOUT THIRTY FEET HIGH AND IS RELATIVELY FLAT. THERE IS VERY LITTLE RAINFALL AND WINDS, VARYING FROM FRESH TO STRONG, BLOW ALMOST CONSTANTLY ACROSS THE ARID PLATEAU. THE PREVAILING WIND IS FROM THE SOUTHWEST. ALTHOUGH ALMOST BARREN CONDITIONS EXIST IT IS KNOWN THAT TREES, GREEN GROUND COVERING AND OTHER VEGETATION, GIVEN PROTECTION FROM THE WIND AND WATERED OCCASIONALLY WILL GROW PROFUSELY IN THE INTENSE HEAT AND RELATIVELY FERTILE SOIL.

IN ADDITION TO HOUSING, THE COMPANY WILL PROVIDE OTHER FACILITIES SUCH AS SCHOOLS, HOSPITALS, SHOPS, RECREATION AND ENTERTAINMENT AREAS, RELIGIOUS STRUCTURES, SERVICE AND CIVIC BUILDING.

THE EXPATRIATES BEING DIFFERENT RACIALLY, ECONOMICALLY AND CULTURALLY MUST HAVE SEPARATE SCHOOL, RELIGIOUS, RECREATION AND ENTERTAINMENT AREAS. HOUSING FOR THIS GROUP SHOULD BE OF THE HIGHEST STANDARD IN ORDER TO ENCOURAGE LONG TENURE. THEIR FAMILIES CAN BE HOUSED IN EITHER INDIVIDUAL HOUSES OR MULTI-STORY LUXURIOUS APARTMENTS.

IT IS SUGGESTED THAT THE HOUSING FOR THE NATIONAL FAMILIES BE CONFINED TO EITHER INDIVIDUAL HOUSES OR ONE OR TWO-STORY ROW HOUSES.

THE BACHELORS IN BOTH GROUPS SHOULD BE HOUSED IN MULTI-STORY DORMITORY BUILDINGS.

THE COMPANY MAKES NO STIPULATION AS TO ARRANGEMENT OF THE VARIOUS ELEMENTS BUT STRESSES THE DESIRE TO CREATE A PLEASANT, LIVABLE COMMUNITY, IN WHICH ALL WORKERS CAN GET TO THE EMPLOYEES' ENTRANCE OF THE COMPANY ENCLOSED AREA WITH THE LEAST DIFFICULTY. THE NATIONALS WILL HAVE NO CARS WITH THE EXCEPTION OF 30% OF THE JUNIOR STAFF FAMILIES. THE EXPATRIATES WILL ALL HAVE CARS.

THE ALLOCATED SITE AND SURROUNDING AREAS ARE SHOWN IN THE ACCOMPANYING DIAGRAM.

REQUIREMENTS:

A. COMPANY AREA (APPROXIMATELY 2,000 ACRES).

COMPRISING REFINERY, TANK FARM, TERMINAL FOR FIVE OIL TANKERS, NEED NOT BE INDICATED ON THE PLAN.

B. ENTRANCE GATE TO COMPANY ENCLOSED AREA, CONTROL AND EMPLOYMENT OFFICE.

C. EXPATRIATE AREA

- | | |
|--|-------------------------------|
| 1. HOUSING - 400 FAMILIES | 6. INTERDENOMINATIONAL CHURCH |
| 2. BACHELORS' QUARTERS (100 BACHELORS) | 7. CLUB |
| 3. REFINERY MANAGER'S RESIDENCE | 8. RESTAURANT |
| 4. DISTRICT MANAGER'S RESIDENCE | 9. RECREATION AREA |
| 5. SCHOOL | 10. COMMISSARY |
| | 11. CEMETERY |

PAGE THREE

D. NATIONALS AREA

1. JUNIOR STAFF HOUSING (400 FAMILIES)
2. JUNIOR STAFF BACHELOR QUARTERS (100 BACHELORS)
3. WORKERS' HOUSING (1500 FAMILIES)
4. SCHOOL
5. MOSQUE
6. CLUB
7. RESTAURANT
8. RECREATION AREA
9. COMMISSARY
10. CEMETERY

E. COMMUNITY AUDITORIUM

F. COMMUNITY COMMISSARY

G. STADIUM

H. CIVIC GROUP

- | | |
|-----------------|---------------------|
| 1. FIRE STATION | 3. CUSTOMS' OFFICES |
| 2. POLICE | 4. POST OFFICE |
| | 5. BANK |

I. HOSPITAL

J. COMMUNITY RECREATION

1. GOLF COURSE
2. BOAT BASIN
3. BATHING BEACH

K. COMMUNITY SERVICE GROUP

- | | |
|---------------------------------------|--------------------------|
| 1. LAUNDRY AND DRY CLEANING PLANT | 4. WAREHOUSES |
| 2. BAKERY | 5. GAS & SERVICE STATION |
| 3. COLD STORAGE AND ICE MANUFACTURING | 6. SLAUGHTER HOUSE |

L. WATER RESERVOIR AND WATER PURIFYING PLANT

M. PLANT NURSERY

N. TURBO-GENERATOR STATION

O. SEWAGE DISPOSAL PLANT

P. CHICKEN FARM

Q. INCINERATOR

REQUIRED DRAWINGS: (ONE SHEET 31" x 40-)

PLAN OF THE ENTIRE SITE AT A SCALE OF 1" EQUALS 600'. (BUILDINGS TO BE SHOWN IN BLOCK ONLY.)

ALL AREAS AND THEIR COMPONENTS MUST BE DESIGNATED BY NAME ON THE PLAN WITH-
OUT A KEY REFERENCE.

A SIGNED DECLARATION MUST BE SUBMITTED WITH DRAWING TO QUALIFY FOR JUDGMENT.

1950 - THE LLOYD WARREN SCHOLARSHIP - 1950
(37TH PARIS PRIZE IN ARCHITECTURE)

SECOND PRELIMINARY COMPETITION
"AN OIL TOWN"

AUTHOR - GORDON BUNSHAFT, NEW YORK, N.Y.

JURY OF AWARD - FEBRUARY 28, 1950

L. BANCEL LAFARGE, CHAIRMAN
GORDON BUNSHAFT
ALONZO W. CLARK, III

HARMON H. GOLDSTONE

MICHAEL M. HARRIS
BENJAMIN LANE SMITH
OTTO TEEGEN

PARTICIPANTS:

GEORGIA INSTITUTE OF TECHNOLOGY
NORTH CAROLINA STATE COLLEGE
PENNSYLVANIA STATE COLLEGE
PRINCETON UNIVERSITY

OKLAHOMA AGRIC. & MECH. COLLEGE
UNIVERSITY OF ILLINOIS
UNIVERSITY OF PENNSYLVANIA
VIRGINIA POLYTECHNIC INSTITUTE

REPORT OF THE JURY - BY ALONZO W. CLARK, III

IN DETERMINING THE SELECTION OR REJECTION OF PROBLEMS IN THE 1950 LLOYD WARREN SCHOLARSHIP, THE JURY WAS CHIEFLY INTERESTED IN THE BROADER ASPECTS OF SITE PLANNING. THEY WERE INCLINED TO ALLOW WIDE LATITUDE IN THE CONTESTANT'S CHOICE OF FORMAL OR INFORMAL STREET PATTERNS, AND IN GENERAL LANDSCAPING. HOWEVER, AN EXPRESSION OF THE CHARACTER OF EACH TYPE OF HOUSING AREA WAS CONSIDERED A NECESSARY PART OF THE PROGRAM.

IT COULD REASONABLY BE DEDUCTED FROM THE PROGRAM THAT PHYSICAL SEPARATION OF THE MAIN HOUSING AREAS WAS DESIRABLE, YET SOME OF THE CONTESTANTS OVERLOOKED THIS IMPORTANT REQUIREMENT.

SINCE NATIONALS WOULD NOT HAVE CARS, IT WAS CONSIDERED ADVISABLE TO LOCATE THEIR HOUSING AS CLOSE AS CONVENIENT TO THE REFINERY ENTRANCE. THIS WOULD ELIMINATE THE PROVISION OF COSTLY BUS SERVICE FOR TRANSPORTATION OF NATIONALS TO AND FROM WORK.

THE EXPATRIATES (OR EXPATRIOTS AS IDENTIFIED BY SOME CONTESTANTS) WOULD ALL DRIVE CARS AND THEIR HOUSING SHOULD CERTAINLY BE LOCATED SOME DISTANCE AWAY FROM THE REFINERY AREA.

THE LOGICAL LOCATION FOR THE COMMUNITY SERVICES WOULD BE BETWEEN, AND EASILY ACCESSIBLE FROM, THE MAIN HOUSING AREAS.

IT WAS FAIRLY OBVIOUS THAT THE WATERFRONT AREA WOULD BE THE MOST DESIRABLE FOR HOUSING IN THE HOT DRY CLIMATE. EASY ACCESS TO THE BEACH FOR FAMILIES OF EXPATRIATES WAS CONSIDERED ESSENTIAL. THE VIEW OVER THE PERSIAN GULF WOULD BE MUCH MORE DESIRABLE THAN VISTAS OF FLAT ARID LAND. PROBLEMS WHICH NEGLECTED THE LOGICAL DEVELOPMENT OF THE WATERFRONT AREA WERE SEVERELY CRITICIZED.

FINALLY, THE GENERAL OVERALL UNITY OF PLAN WAS CONSIDERED AND THE SELECTION OF PROBLEMS WAS GREATLY INFLUENCED BY THE PRESENCE OR LACK OF THIS IMPORTANT FACTOR.

THE REQUIREMENTS OF THE PROGRAM WERE VERY WELL EXPRESSED IN THE PROBLEMS SUBMITTED BY W. H. SIPPEL, JR. AND H. B. ROBERTS, BOTH OF PRINCETON UNIVERSITY. IN THESE PROBLEMS THE WATER FRONT AREA WAS VERY WELL DEVELOPED. IN ROBERTS' SUBMISSION, THE COMMUNITY CENTER COULD HAVE BEEN LOCATED MORE CONVENIENTLY TO THE EXPATRIATES, AND THE CEMETERY, PLANT NURSERY, AND RESERVOIR WOULD BE BETTER LOCATED FURTHER AWAY FROM THE HOUSING AREA.

THE PROBLEM SUBMITTED BY W. J. SCHEIDEMANTEL, UNIVERSITY OF ILLINOIS, PRESENTED A MORE FORMAL STREET ARRANGEMENT, AND IN THE OPINION OF THE JURY, A FAR TOO FORMAL COMMUNITY CENTER FOR THIS DESERT LOCATION.

SUMMARY OF AWARDS:

12 SELECTED

24 TOTAL SUBMITTED

SELECTED FOR THE FINAL COMPETITION:

C. H. BONEY, NORTH CAROLINA STATE COLLEGE
G. L. EVERIDGE, NORTH CAROLINA STATE COLLEGE
J. J. MOONEY, PENNSYLVANIA STATE COLLEGE

M. G. MAYO, PRINCETON UNIVERSITY
H. B. ROBERTS, PRINCETON UNIVERSITY
D. M. SIMMONS, PRINCETON UNIVERSITY
W. H. SIPPEL, JR., PRINCETON UNIVERSITY
P. H. GRAVEN, JR., OKLAHOMA AGRIC. & MECH. COLLEGE
W. J. SCHEIDEMANTEL, UNIVERSITY OF ILLINOIS
H. KALE, UNIVERSITY OF PENNSYLVANIA
W. J. MURTAGH, UNIVERSITY OF PENNSYLVANIA
H. JAMGOCHIAN, VIRGINIA POLYTECHNIC INSTITUTE

1950 - THE LLOYD WARREN SCHOLARSHIP - 1950
(37TH PARIS PRIZE IN ARCHITECTURE)
UNDER THE AUSPICES OF THE BEAUX-ARTS INSTITUTE OF DESIGN

115 EAST 40TH STREET
NEW YORK 16, N. Y.
(PROGRAM - 4 PAGES)

EXERCISE - 9 A.M. MARCH 25, 1950
TO - 9 A.M. APRIL 1, 1950
JUDGMENT - APRIL 5, 1950

FINAL COMPETITION

A BANK BUILDING

AUTHOR - E.A.VANNAME, NEW YORK, N.Y.

MR. E.A.VANNAME HAS SPENT FIFTEEN YEARS ON THE PLANNING AND EQUIPMENT DESIGN OF BANK AND INSURANCE BUILDINGS THROUGHOUT THE UNITED STATES AND CANADA. FOR SIX YEARS HE WAS IN CHARGE OF THE PLANNING DEPARTMENT OF THE FEDERAL RESERVE BANK OF NEW YORK. THE WAR YEARS MR. VANNAME SPENT IN WASHINGTON, D.C. WITH THE CONSTRUCTION DEPARTMENT OF THE SYNTHETIC RUBBER REQUIREMENTS AND ESTIMATING REQUIREMENTS OF THE HIGH OCTANE GASOLINE PLANTS. IN 1947 HE JOINED THE U.N. ON CONSTRUCTION OF THE UNITED NATIONS BUILDINGS.

PROGRAM

AN ESTABLISHED BANKING HOUSE, IN A MEDIUM SIZED CITY, HAVING OUTGROWN ITS EXISTING FACILITIES, PLANS TO CONSTRUCT A NEW BUILDING. THE DIRECTORS OF THE BANK HAVE EXPRESSED A DESIRE FOR A NEW APPROACH TO BANK DESIGN STRESSING, ON THE ONE HAND, UTMOST CONVENIENCE TO ITS CUSTOMERS AND, ON THE OTHER, THE CREATION OF A FRIENDLY, INFORMAL AND INVITING ATMOSPHERE. THEY ARE LOOKING FOR ORIGINAL AND FRESH IDEAS TO ACHIEVE THESE OBJECTIVES.

THE BANK HAS ACQUIRED A SITE IN THE HEART OF THE BUSINESS DISTRICT. THE PROPERTY IS A LEVEL RECTANGULAR SITE, 100 FEET BY 200 FEET, BOUNDED ON THE EASTERN, LONG SIDE BY FOUR-STORY STRUCTURES AND ON THE OTHER THREE SIDES BY SHOPPING STREETS. THE WESTERN STREET HAS TWO-WAY TRAFFIC AND IS THE MOST HEAVILY TRAVELED; THE SOUTHERN STREET IS WEST-BOUND ONLY; THE NORTHERN STREET IS EAST-BOUND. THERE ARE NO RESTRICTIONS ON THE SITE COVERAGE.

IT IS PROPOSED TO BUILD A THREE-STORY BANK AND SHOP BUILDING; SHOPS ARE TO OCCUPY THE MAJOR PORTION OF THE STREET FRONTAGE, THE BANK THE REMAINDER OF THE BUILDING.

REQUIREMENTS:

1. LOBBY AND CIRCULATION:

A STREET LEVEL LOBBY TO SERVE THE MAIN BANKING ROOM ON THE SECOND FLOOR AS WELL AS THE SAFE DEPOSIT DEPARTMENT IN THE BASEMENT, THE STREET LEVEL AND SECOND FLOORS ARE TO BE CONNECTED BY TWO ESCALATORS (ONE UP AND ONE DOWN) AND BY AN OPEN STAIRWAY. ONE ELEVATOR TO SERVE ALL LEVELS INCLUDING THE THIRD STORY. AN OPEN STAIR IS ALSO TO CONNECT THE LOBBY WITH THE SAFE DEPOSIT DEPARTMENT.

FINAL COMPETITION - PAGE THREE

C. A TRUNK AND SILVER STRONG ROOM, APPROXIMATELY 20' X 30', TO BE PROVIDED ADJACENT TO THE MAIN VAULT AND ACCESSIBLE THROUGH THE VAULT CUSTODIAN'S AREA.

D. SMALL TOILET ROOMS FOR MEN AND WOMEN CUSTOMERS.

4. DRIVE-IN TELLERS:

PROVIDE TWO WINDOWS IN ONE TELLERS' CAGE (APPROXIMATELY 200 SQ.FT.) TO SERVE OFF-STREET, DRIVE-IN DEPOSITORS. THESE WINDOWS MUST BE AT THE LEFTHAND SIDE OF AUTOMOBILE CIRCULATION, AND SHOULD BE SO ARRANGED THAT A CUSTOMER'S CAR AT ONE WINDOW WILL NOT BLOCK ACCESS TO THE OTHER WINDOW OR THE THROUGH CIRCULATION. THE CAGE IS TO BE CONNECTED INTERNALLY TO TELLERS' AREA ON THE MAIN BANKING FLOOR.

5. LOADING PLATFORM:

AN OFF-STREET LOADING PLATFORM FOR ONE TRUCK IS TO BE PROVIDED FOR DELIVERY OF CURRENCY, SECURITIES AND MAIL. TRUCKS MAY USE THE DRIVE-IN TELLERS' PASSAGE, BUT WHEN LOADING OR UNLOADING SHOULD NOT BLOCK CUSTOMERS' CARS. THE PLATFORM SHOULD CONNECT DIRECTLY WITH THE SECURITIES VAULT WORK SPACE AND WITH THE SECURITIES ELEVATOR.

6. THIRD FLOOR WORK AREA:

10,000 SQ.FT. OF WORK SPACE, TO WHICH THE PUBLIC HAS NO ACCESS, FOR BOOKKEEPING (1500 SQ.FT.) TRANSIT (3,000 SQ.FT.), MAIL ROOM (600 SQ.FT.), SUPPLY ROOM (200 SQ.FT.), TELEPHONE ROOM (200 SQ.FT.), AND GENERAL WORK AREA TO BE LOCATED ON A THIRD FLOOR.

7. EMPLOYEE FACILITIES:

STAFF LOCKER ROOMS AND TOILETS TO BE PROVIDED ON EACH FLOOR. THE TOTAL STAFF CONSISTS OF 175 MEN AND 150 WOMEN.

8. SHOPS:

ON THE STREET LEVEL, AS MUCH AREA AS POSSIBLE SHOULD BE DEVOTED TO A FLEXIBLE ARRANGEMENT OF REVENUE PRODUCING SHOPS.

9. MECHANICAL SERVICES:

THE BUILDING IS TO BE AIR-CONDITIONED. MECHANICAL EQUIPMENT, JANITOR'S SERVICES, BANK AND SHOP STOREROOMS ARE TO BE LOCATED IN BASEMENT.

FINAL COMPETITION - PAGE FOUR

REQUIRED DRAWINGS: (SHEET SIZE 31" x 40")

A. PLANS:

TO BE PRESENTED AT THE SCALE OF 1/16" TO THE FOOT. (ALL SPACES MUST BE IDENTIFIED BY NAME.)

1. STREET LEVEL, INCLUDING DRIVE-IN PASSAGE AND TELLERS' CAGE.
2. SECOND FLOOR INDICATING DEVELOPMENT OF MAIN BANKING ROOM AND ITS ADJACENT AREAS.
3. MEZZANINE, IF ANY.
4. THIRD FLOOR.
5. BASEMENT.

B. SECTION:

6. TO BE PRESENTED AT THE SCALE OF 1/8" TO THE FOOT, FULLY RENDERED, SECTION TO BE TAKEN SO AS MOST FULLY TO ILLUSTRATE THE RELATIONSHIP OF ALL FLOORS TO THE MAIN BANKING ROOM

C. EXTERIOR:

7. SMALL PERSPECTIVE, IN LINE, SHOWING TWO FACADES OF THE BUILDING.

ON THE SHEET, ALL PLANS SHOULD BE ORIENTED IN THE SAME DIRECTION.

THE FINAL DRAWINGS SHALL BE SIGNED WITH A "NOM DE PLUME" IN THE LOWER RIGHT-HAND CORNER, AND THE SAME SYMBOL PLACED ON THE OUTSIDE OF A SEALED ENVELOPE

1950 - THE LLOYD WARREN SCHOLARSHIP - 1950
(37TH PARIS PRIZE IN ARCHITECTURE)

FINAL COMPETITION
A BANK BUILDING

AUTHOR - E.A.VANNAME, NEW YORK, N.Y.

JURY OF AWARD - APRIL 5, 1950

L. BANCEL LAFARGE, CHAIRMAN

PHILIP G. BARTLETT

CHARLES W. BEESTON

GORDON BUNSHAFT

WALKER O. CAIN

ALONZO W. CLARK, III

J. GORDON CARR

HARMON H. GOLDSTONE

OTTO TEEGEN

E. A. VANNAME

PARTICIPANTS:

NORTH CAROLINA STATE COLLEGE

PENNSYLVANIA STATE COLLEGE

PRINCETON UNIVERSITY

OKLAHOMA AGRIC. & MECH. COLLEGE

UNIVERSITY OF ILLINOIS

UNIVERSITY OF PENNSYLVANIA

VIRGINIA POLYTECHNIC INSTITUTE

UNAFFILIATED; MEMPHIS, TENN.

REPORT OF THE JURY - By PHILIP G. BARTLETT

IN REVIEWING THE SUBMISSIONS FOR THE FINAL EXERCISE OF THE 1950 LLOYD WARREN SCHOLARSHIP AND THE SELECTION OF THE RECIPIENT, ONE MUST FIRST CONSIDER THE PROGRAM.

THE DISTINGUISHING FEATURES OF THE PROBLEM AND THE ONES THAT MADE IT DIFFICULT FROM THE USUAL BANK BUILDING WERE THE STREET LEVEL SHOPS AND THE DRIVE-IN TELLERS. IN EDITING THE PROGRAM THERE WAS SOME DISCUSSION OF OMITTING THE LATTER BUT THEY WERE FINALLY RETAINED TO TEST THE STUDENT'S ABILITY TO SOLVE A PROBLEM SOMEWHAT OUT OF THE ORDINARY AND NOT, THE COMMITTEE FELT, BEYOND THE CAPABILITY OF A LLOYD WARREN FINALIST.

UNFORTUNATELY, THIS DID NOT PROVE TO BE AS NONE OF THE PROBLEMS IN THE JURY'S OPINION, ADEQUATELY SOLVED THE DRIVE-IN TELLER REQUIREMENT. THE JURY WAS ALSO DISAPPOINTED IN THE SOLUTIONS GENERALLY, FEELING THAT MOST OF THEM WERE UNNECESSARILY COMPLICATED, BADLY ORGANIZED AND LACKING THE CHARACTER OF A BANK.

IN SELECTING THE RECIPIENT OF THE AWARD, THE JURY FIRST SELECTED FOUR OF THE DRAWINGS SUBMITTED IN THE FINAL EXERCISE AND THEN COMPARED THE FIRST AND SECOND PRELIMINARY EXERCISES SUBMITTED BY THOSE FOUR. AS THE SECOND EXERCISE SUBMITTED BY THE WINNER WAS THE OUTSTANDING SUBMISSION, AND AS THE JURY HAD PREVIOUSLY FELT THAT HIS FINAL SUBMISSION WAS ALSO THE BEST OF THAT GROUP, THE SCHOLARSHIP WAS AWARDED TO W. H. SIPPEL, JR. OF PRINCETON UNIVERSITY. THE JURY FELT, HOWEVER, THAT HIS BANK LEFT SOMETHING TO BE DESIRED. WHILE IT LIKED HIS SOLUTION OF THE DRIVE-IN TELLER FACILITIES AND THE LARGE AMOUNT OF RESULTING SHOP SPACE ON THE STREET LEVEL, THEY REALIZED THAT MORE SPACE SHOULD HAVE BEEN DEVOTED TO THE TURNING OF THE CARS. THE JURY PARTICULARLY

LIKED THE THREE-DIMENSIONAL FEELING OF THE LOBBY, WHICH WAS THE ONLY ONE TO GIVE THE DESIRED OPEN EFFECT LEADING UP TO THE BANKING FLOOR, AND ITS SEPARATION FROM THE STORES BY THE ATTRACTIVE STONE WALL. THE BANKING FLOORS WERE WELL ORGANIZED AND THE MAIN BANKING ROOM HAD A FEELING OF SPACIOUSNESS AND DIGNITY LACKING IN MOST OF THE SOLUTIONS. THE HANDLING OF THE SAFE DEPOSIT DEPARTMENT, HOWEVER, SHOULD HAVE BEEN BETTER.

W. J. SCHEIDEMANTEL OF THE UNIVERSITY OF ILLINOIS, WAS CHOSEN AS ALTERNATE ON THE BASIS OF HIS SECOND PRELIMINARY AND FINAL SUBMISSIONS, BOTH OF WHICH WERE CONSIDERED RUNNERS UP; HIS SECOND PRELIMINARY BEING JUDGED SOMEWHAT BETTER THAN HIS FINAL, THOUGH HIS FINAL WOULD HAVE EARNED HIM THE HONOR OVER HIS COMPETITORS' SOLUTIONS. IN HIS BANK, THE JURY LIKED THE HANDLING AND ORGANIZATION OF THE BANKING FLOORS, PARTICULARLY THE MAIN BANK ROOM AND THE APPROACH THERETO, AS WELL AS THE EXTERIOR. IT DID NOT FEEL THAT THE DRIVE-IN TELLERS WERE AS WELL HANDLED AS IN SIPPEL'S SOLUTION NOR THAT THE SAFE DEPOSIT FACILITIES WERE QUITE AS WELL ORGANIZED AS THEY SHOULD HAVE BEEN.

THE SOLUTION OF H.B.ROBERTS OF PRINCETON SUFFERED FROM THE COMPLICATED SOLUTION OF THE DRIVE-IN TELLER FACILITIES AND THE ENTRANCE SCREEN, THOUGH THE JURY LIKED HIS SECOND PRELIMINARY SUBMISSION.

THE JURY LIKED THE BANK DESIGN SUBMITTED BY J. J. MOONEY OF PENNSYLVANIA STATE COLLEGE, BUT DID NOT FEEL THAT IT CAME UP TO SIPPEL'S AND FOUND HIS FIRST AND SECOND PRELIMINARY EXERCISES WANTING.

SUMMARY OF AWARDS:

TOTAL NUMBER OF SUBMISSIONS 12

1950 LLOYD WARREN SCHOLARSHIP - WILLIAM H. SIPPEL, JR., PRINCETON
UNIVERSITY
ALTERNATE - W. J. SCHEIDEMANTEL, UNIVERSITY OF ILLINOIS

INDEX OF REPRODUCTIONS:

1950 LLOYD WARREN SCHOLARSHIP - 37TH PARIS PRIZE IN ARCHITECTURE

FEBRUARY 1, 1950 - FIRST PRELIMINARY EXERCISE - A MEMORIAL AT ALAMOGORDO

- 1 L.W. - E. A. HEALEY, UNIVERSITY OF ILLINOIS
- 2 L.W. - W. R. EVANS, PRINCETON UNIVERSITY
- 3 L.W. - J. G. MARTIN, UNIVERSITY OF PENNSYLVANIA
- 4 L.W. - J. E. BIGGS, GEORGIA INSTITUTE OF TECHNOLOGY
- 5 L.W. - D. M. SIMMONS, PRINCETON UNIVERSITY

FEBRUARY 28, 1950 - SECOND PRELIMINARY EXERCISE - AN OIL TOWN

- 6 L.W. - W. H. SIPPEL, JR., PRINCETON UNIVERSITY
- 7 L.W. - H. B. ROBERTS, PRINCETON UNIVERSITY
- 8 L.W. - W. J. SCHEIDEMANTEL, UNIVERSITY OF ILLINOIS

APRIL 5, 1950 - FINAL COMPETITION - A BANK BUILDING

- 9 L.W. - W. H. SIPPEL, JR., PRINCETON UNIVERSITY - L. WARREN SCHOLAR
- 10 L.W. - W. J. SCHEIDEMANTEL, UNIVERSITY OF ILLINOIS - ALTERNATE

PARIS PRIZE



PLAN
SCALE 1/8"

ELEVATION
SCALE 1/8"

Memorial at Columbus Rd

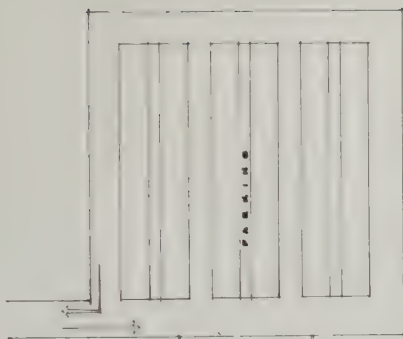
Submitted 1945
EDWARD W. HEALY
UNIV. OF ILLINOIS
LLOYD WARREN
ARCHITECTS
CHICAGO
1 2 3 4

ATOMIC ENERGY ---- APART FROM A FORCE TO BE FEARED AND ENCHAINED .



NIGHT VIEW FROM AIR 105'-0"

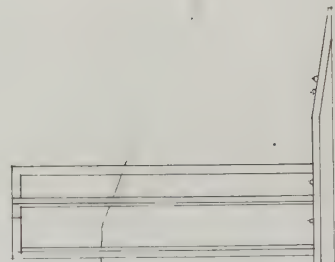
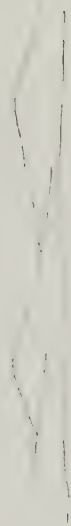
FLUORESCENCE ILLUMINATION FROM OUTDOOR LIGHTS.
STAR ILLUMINATION FROM TOWER TOP.
MATERIAL -- REINFORCED CONCRETE.



LEGEND

CONCRETE

PLAN 105'-0"



ELEVATION 105'-0"



PERSPECTIVE

1948-50
24.4

PARIS PRIZE
"A MODEL OF FUTURE"
FACULTY OF ARCHITECTURE
JULY 1950

Le Corbusier

PROPOSED ELEVATION
DATE: 1944-10
BY: J. L. B. & S. L. B.
FOR: THE ARCHITECT

1944-10
36W

36W

ELEVATION

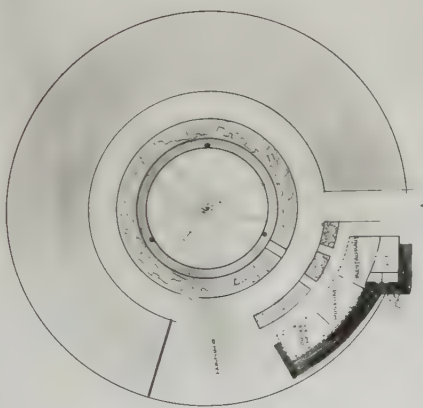
P J A N

LEGEND & NOTES
1. A. PUBLIC ENG. LUTHERING
2. A. L. B. & S. L. B.

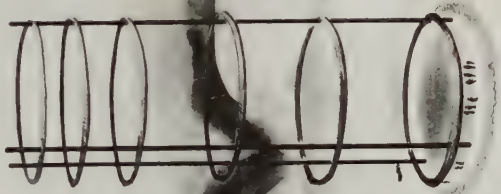
STANDARD DRAWING
 OF
 1-22-20

47 4

A MEMORIAL AT ALAMOGORDO



PLAN



SOUTH ELEVATION



N

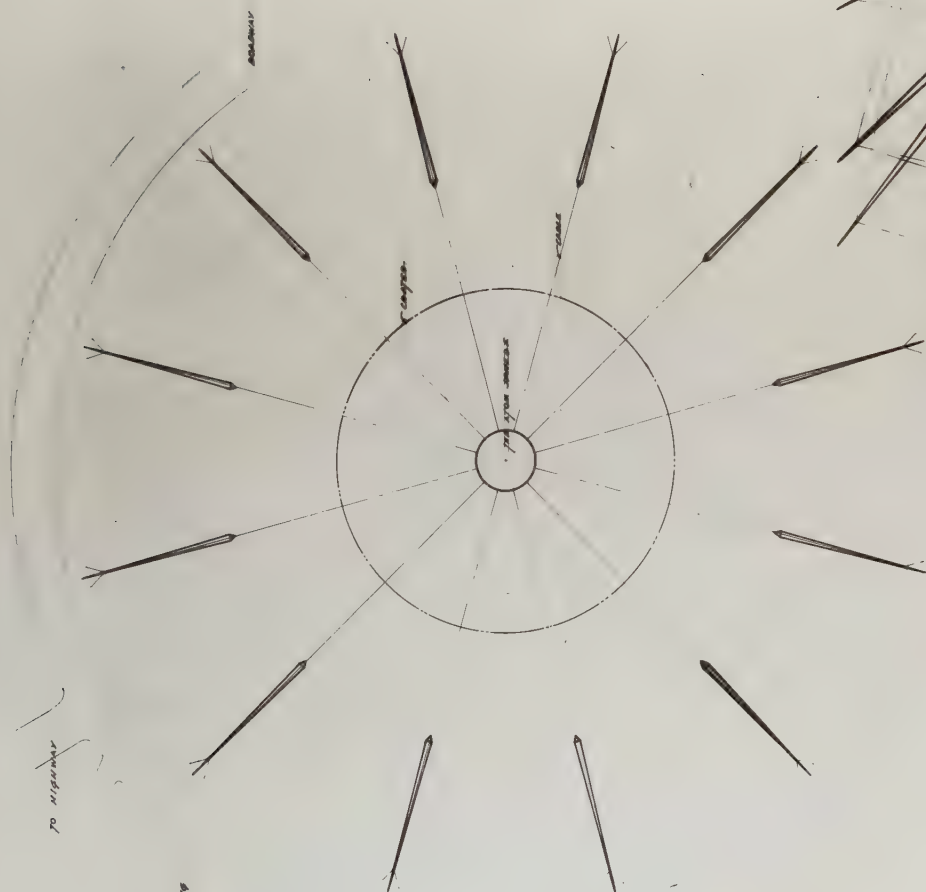
DETAILS: STEEL JIBS AND CABLES,
CONCRETE (PAINTED AND
PAINTED), BRASS (PAINTED)
ELECTROLYTIC
SIGNING
USE EACH 2' x 1'



SIDE-EYE PERSPECTIVE



NIGHT ILLUMINATION



PLAN 1/4" = 1'-0"

ELEVATION 1/4" = 1'-0"

54.6
D. H. SWANSON
PRINCETON UNIV.
PAULS PRIZE
FIRST PRELIMINARY
MEMORIAL 1910-1911





TUE PERSIAN GULF

1971-72
6.4.72
WILLIAM H. SIPPILL
PERSIAN GULF
37.18 PAGES PAGES 37.18
AN OIL TOWN

PIPE LINE ENTRANCE

ROAD ENTRANCE

FENCED PROPERTY LINE

TANK FARM

COMPANY
ENCLOSED AREA

FUTURE EXPANSION
OF WORKERS HOUSING

COMMUNITY

EMPLOYEES
ENTRANCE
CONTROL &
EMERGENCY OFFICES

SERVICES

SEWAGE DISPOSAL
CHICKEN FARM
INCINERATOR
TURBO GENERATOR
WAREHOUSE
OLD STORAGE
LAUNDRY
BATTERY

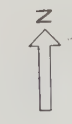
REFINERY

EX PATRIOTS

NATIONALS

WORKERS HOUSING
PLANT NURSERY
WATER RESERVOIR
PAVING PLANT
CEMETERY
SCHOOL
CLUB & REST
JUNIOR STAFF
HOUSING
TENTHILL

GOLF COURSE



SCALE: 1" = 600'

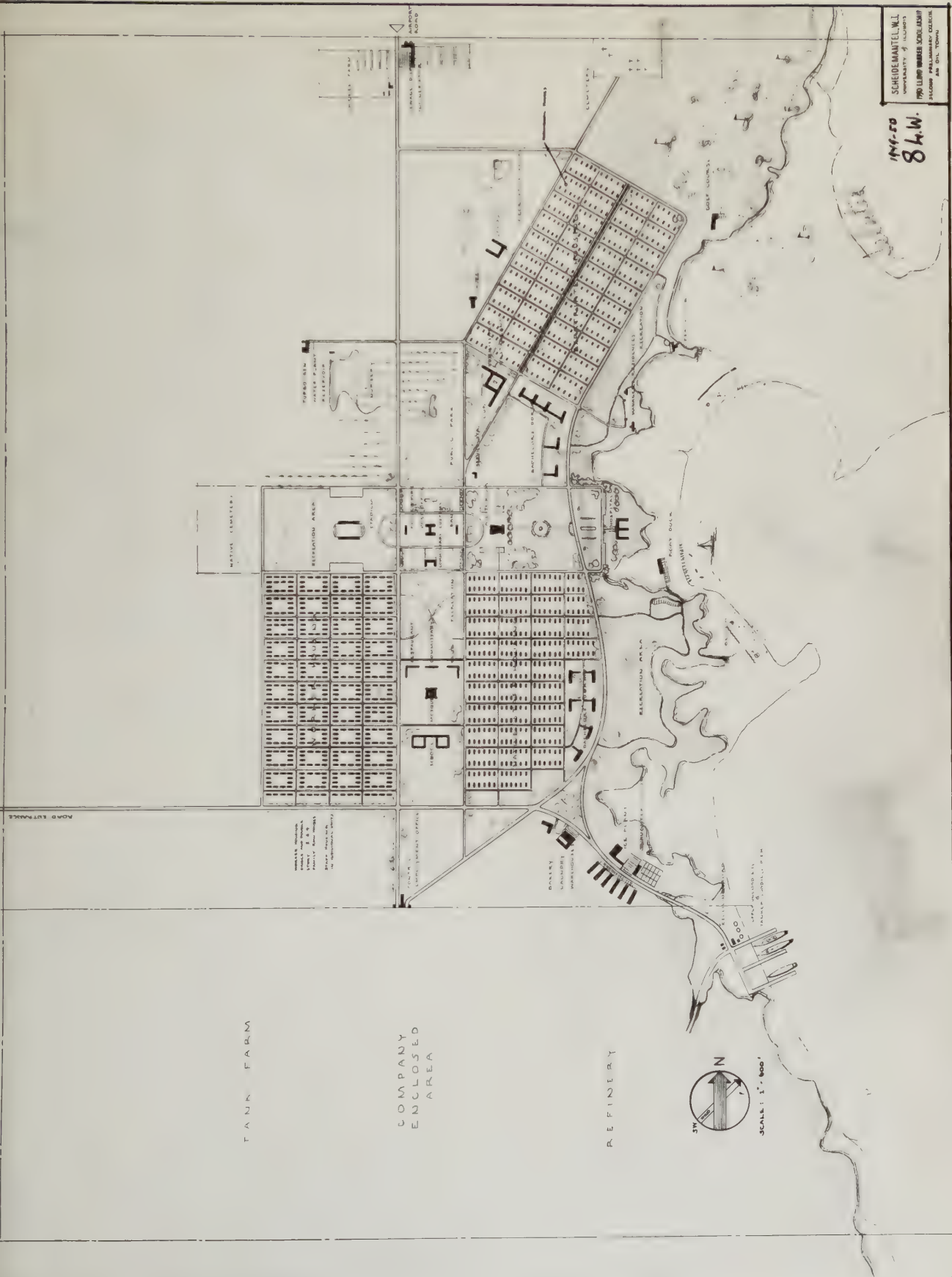
TANKER LOADING AREA

THE PERSIAN GULF

blotted
1975-76
76.11.

H. BRUCE ROBERTS
PUNCEBORN UNIT
PARK WALK 2-11
AN OIL TOWN
FEBRUARY 20, 1960





TANK FARM

COMPANY
ENCLOSED
AREA

REFINERY

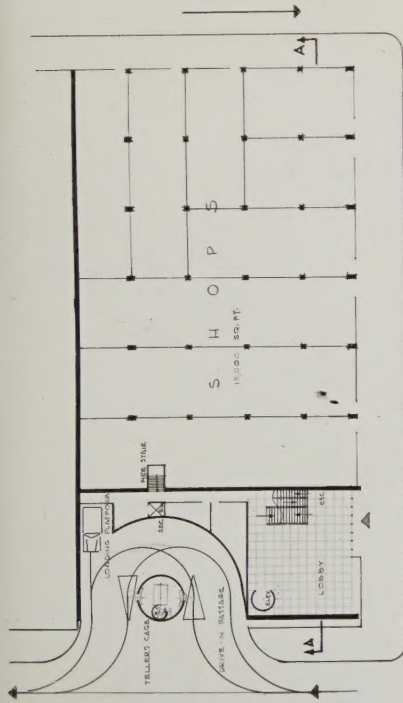


SCALE 1" = 800'

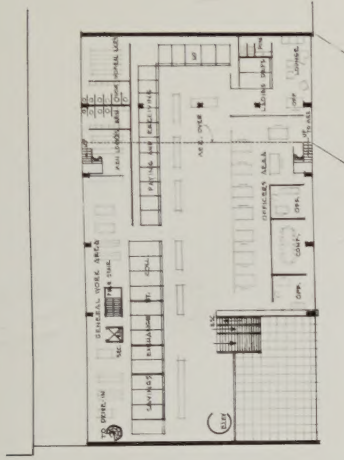
1941-20
84W.

SCHEDULE MANTLE W.I.
1941-20 84W.
1941-20 84W.
1941-20 84W.





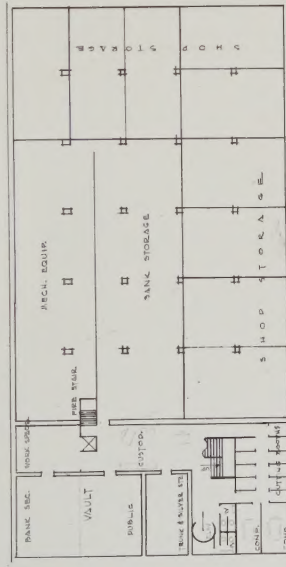
STREET LEVEL PLAN
SCALE 1/8" = 1'-0"



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



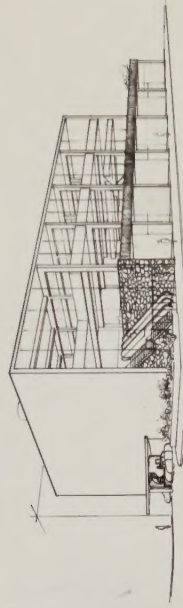
THIRD FLOOR PLAN
SCALE 1/8" = 1'-0"



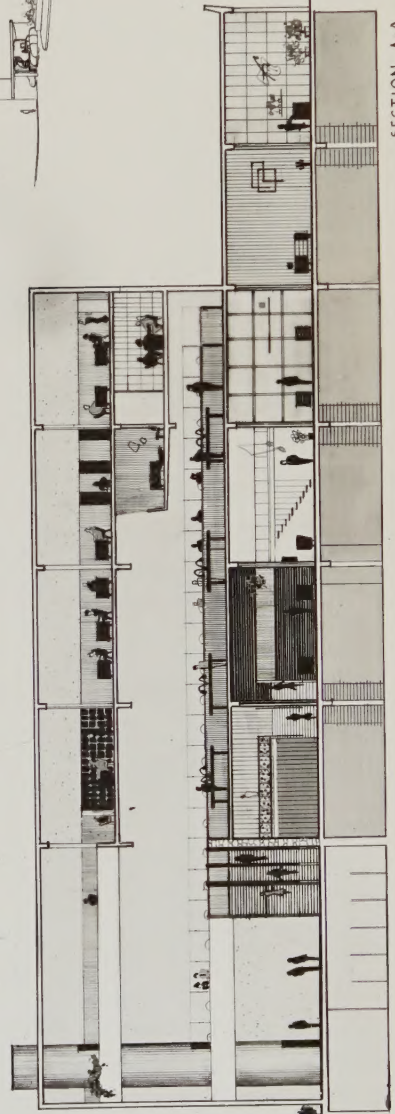
BASEMENT PLAN
SCALE 1/8" = 1'-0"



MEZZANINE PLAN
SCALE 1/8" = 1'-0"



PERSPECTIVE (N.W.)

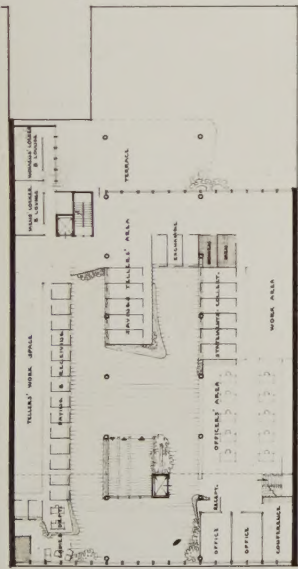


SECTION A-A
SCALE 1/8" = 1'-0"

1950 LYND WARREN SCHOLARSHIP
37th PARIS PRIZE IN ARCHITECTURE

1950-51
94W

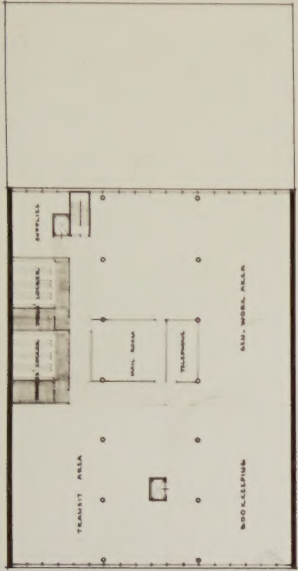
THIS LAYOUT WAS SUBMITTED FOR THE
LYND WARREN SCHOLARSHIP (1950-51)
BY WILLIAM H. LUTHE, JR. PRINCETON UNIVERSITY



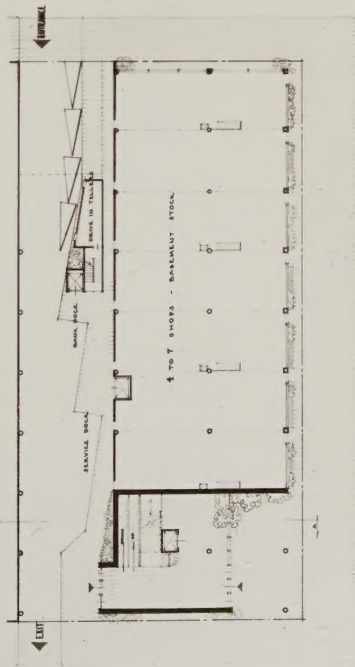
SECOND FLOOR



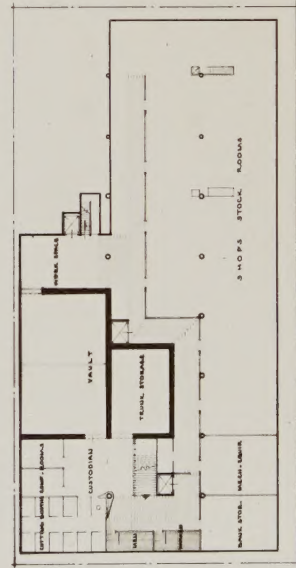
MEZZANINE PLAN



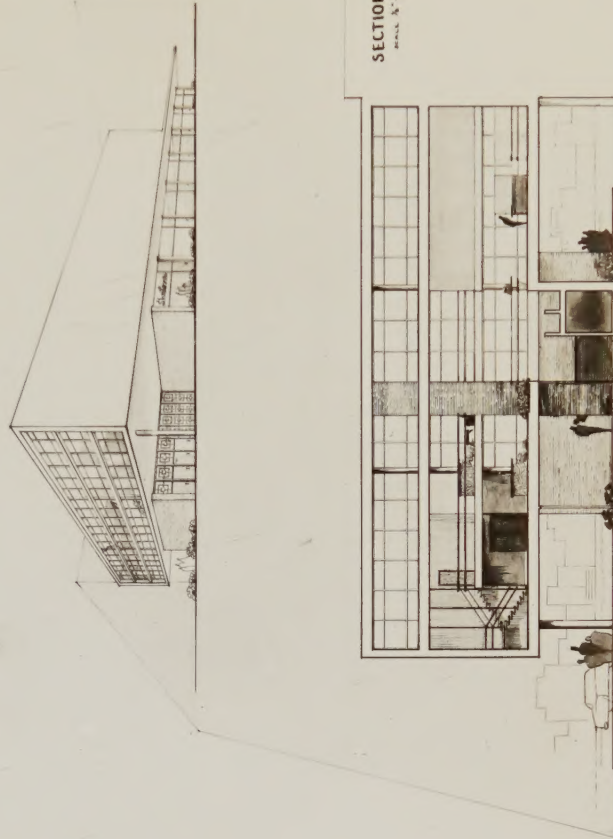
THIRD FLOOR



STREET LEVEL



BASEMENT PLAN



SECTION A-A

1950 LLOYD WARREN
A SCHOLARSHIP
A BANK BUILDING
1950 LLOYD WARREN SCHOLARSHIP (1950)
1950 LLOYD WARREN SCHOLARSHIP (1950)
1950 LLOYD WARREN SCHOLARSHIP (1950)

1950 LLOYD WARREN
A SCHOLARSHIP
A BANK BUILDING
1950 LLOYD WARREN SCHOLARSHIP (1950)
1950 LLOYD WARREN SCHOLARSHIP (1950)
1950 LLOYD WARREN SCHOLARSHIP (1950)

1950 LLOYD WARREN
A SCHOLARSHIP
A BANK BUILDING
1950 LLOYD WARREN SCHOLARSHIP (1950)
1950 LLOYD WARREN SCHOLARSHIP (1950)
1950 LLOYD WARREN SCHOLARSHIP (1950)

